

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/510,563  
Source: TFW16  
Date Processed by STIC: 07/27/2005

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 07/27/2005

PATENT APPLICATION: US/10/510,563

TIME: 11:59:17

Input Set : A:\2005-07-18 1110-0324PUS1.ST25.txt

Output Set: N:\CRF4\07272005\J510563.raw

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3 <110> APPLICANT: Yasushi TAGUCHI
4     Kyouusuka HAZE
5     Shinichi KURIYAMA
7 <120> TITLE OF INVENTION: PEPTIDES CHEMICALLY MODIFIED WITH POLYETHYLENE GLYCOL
9 <130> FILE REFERENCE: 1110-0324PUS1
11 <140> CURRENT APPLICATION NUMBER: US 10/510,563
12 <141> CURRENT FILING DATE: 2004-10-08
14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/04614
15 <151> PRIOR FILING DATE: 2003-04-11
17 <160> NUMBER OF SEQ ID NOS: 30
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21 <212> TYPE: PRT
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
27 <400> SEQUENCE: 1
28 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
29 1           5           10          15
31 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln
32           20           25           30
34 Ile Ala Leu Arg Ser
35           35
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 37
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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46 <400> SEQUENCE: 2
47 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln Ile Ala
48 1           5           10          15
50 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln
51           20           25           30
53 Ile Ala Leu Arg Ser
54           35
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 37
59 <212> TYPE: PRT
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized

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peptide

65 <400> SEQUENCE: 3

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66 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Arg
67 1          5          10          15
69 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln
70          20          25          30
72 Ile Arg Leu Arg Ser
73          35
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 37
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
84 <400> SEQUENCE: 4
85 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala
86 1          5          10          15
88 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln
89          20          25          30
91 Ile Ala Leu Arg Ser
92          35
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 37
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
104 <400> SEQUENCE: 5
105 Thr Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
106 1          5          10          15
108 Leu Arg Leu Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln
109          20          25          30
111 Ile Ala Leu Arg Ser
112          35
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 37
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
124 <400> SEQUENCE: 6
125 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn Ile Ala
126 1          5          10          15
128 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn
129          20          25          30
131 Ile Ala Leu Arg Ser
132          35
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 37
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence

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140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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144 <400> SEQUENCE: 7
145 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
146 1          5          10          15
148 Leu Lys Leu Lys Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln
149          20          25          30
151 Ile Ala Leu Arg Ser
152          35
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 37
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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164 <400> SEQUENCE: 8
165 Thr Arg Tyr Leu Arg Ile His Pro Lys Ser Trp Val His Gln Ile Ala
166 1          5          10          15
168 Leu Arg Leu Arg Tyr Leu Lys Ile His Pro Arg Ser Trp Val His Gln
169          20          25          30
171 Ile Ala Leu Arg Ser
172          35
175 <210> SEQ ID NO: 9
176 <211> LENGTH: 37
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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184 <400> SEQUENCE: 9
185 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
186 1          5          10          15
188 Leu Arg Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln
189          20          25          30
191 Ile Ala Leu Arg Ser
192          35
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 37
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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204 <400> SEQUENCE: 10
205 Thr Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
206 1          5          10          15
208 Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln
209          20          25          30
211 Ile Ala Leu Arg Ser
212          35
215 <210> SEQ ID NO: 11

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216 <211> LENGTH: 37
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
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221 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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224 <400> SEQUENCE: 11
225 Thr Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala
226 1          5          10         15
228 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln
229          20          25         30
231 Ile Ala Leu Arg Ser
232          35
235 <210> SEQ ID NO: 12
236 <211> LENGTH: 37
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
244 <400> SEQUENCE: 12
245 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala
246 1          5          10         15
248 Leu Ser Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln
249          20          25         30
251 Ile Ala Leu Ser Ser
252          35
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257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
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264 <400> SEQUENCE: 13
265 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln Ile Ala
266 1          5          10         15
268 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln
269          20          25         30
271 Ile Ala Leu Arg Ser
272          35
275 <210> SEQ ID NO: 14
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277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
284 <400> SEQUENCE: 14
285 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln Ile Ala
286 1          5          10         15
288 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln
289          20          25         30

```

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291 Ile Ala Leu Arg Ser
292      35
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296 <211> LENGTH: 37
297 <212> TYPE: PRT
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304 <400> SEQUENCE: 15
305 Thr Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln Ile Ala
306 1      5      10      15
308 Leu Arg Leu Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln
309      20      25      30
311 Ile Ala Leu Arg Ser
312      35
315 <210> SEQ ID NO: 16
316 <211> LENGTH: 37
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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324 <400> SEQUENCE: 16
325 Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln Leu Ala
326 1      5      10      15
328 Leu Arg Leu Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln
329      20      25      30
331 Leu Ala Leu Arg Ser
332      35
335 <210> SEQ ID NO: 17
336 <211> LENGTH: 37
337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
peptide
344 <400> SEQUENCE: 17
345 Thr Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala
346 1      5      10      15
348 Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln
349      20      25      30
351 Ile Ala Leu Arg Ser
352      35
355 <210> SEQ ID NO: 18
356 <211> LENGTH: 37
357 <212> TYPE: PRT
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized
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364 <400> SEQUENCE: 18
365 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/510,563

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